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than 2,000 are [illegible]erica, Canada, Japan, Australia. Sou[illegible]
In fact, the Journal is read in every country where che[illegible] practised or where chemical compounds are manufactured or used.

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PART I.

Names and addresses of Advertisers in the "Journal of the Society of Chemical Industry" to Dec. 31st, 1922 with Telephone Numbers and Telegraphic addresses.

Names and Addresses of Advertisers in the JOURNAL OF THE SOCIETY OF CHEMICAL INDUSTRY with Telephone Numbers and Telegraphic Addresses.

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FELTHAM, W. H., & SON, Imperial Works, Tower Bridge Road, London, S.E. 1	Hop 2083	Unbagged, Berm, London.
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GREEN, HERBERT, & CO., LTD., Ruskin Chambers, Scale Lane, Hull		—
GREEN, J., BARCHAM & SON, Hayle Mill, Maidstone	Maidstone 204	Green, Tovil.
GREENSHIELDS, JAMES, & CO., LTD., 54, Gordon Street, Glasgow	Central 8855 and 8856	Bitumen, Glasgow.
GREY & MARTEN, LTD., City Lead Works, Southwark Bridge, London, S.E. 1	Hop 3830 (2 lines)	Amalgam, Boro', London.
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Premier Cooler & Engineering Co., Ltd., Station Works, Shalford, Nr. Guildford	Shalford (Surrey) 27	Precooler, Shalford.
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THOMAS, ARTHUR H., CO., West Washington Square, Philadelphia, U.S.A.	—	—
THOMAS, CHRISTR., & BROS., LTD., Broad Plain Soap Works, Bristol	Bristol 1957	Thomas, Bristol.
THOMPSON BROS. (BILSTON), LTD., Bradley Tank Works, Bilston, Staffs	Bilston 10 (2 lines)	Thompson Bros., Bilston.
THOMPSON, JOHN (GAS DEVELOPMENTS), LTD., Wolverhampton	Bilston 192 and 193	Boiler, Wolverhampton.
THOMPSON, JOHN (WOLVERHAMPTON), LTD., Wolverhampton	Wolverhampton 1138 and 1139	Boiler, Wolverhampton.
THOMPSON, W. P., & CO., Cooper's Buildings, 12, Church Street, Liverpool	Royal 226	Patent, Liverpool.
TILGHMAN'S PATENT SAND BLAST CO., LTD., Broadheath, Nr. Manchester	Altrincham 540, 541 and 542	Tilghman's, Altrincham.
TODD BROS., Widnes, Lancashire	Widnes 167	Todd, Widnes.
TOOGOOD, WM., LTD., 77, Southwark Street, London, S.E. 1	Hop 4170 (2 lines)	Toogood, Boroh, London.
TRAUFFLER, F., 99, Hatton Garden, London, E.C. 1	Holborn 353	Trauffler, Smith, London.
TURBINE FURNACE CO., LTD., 238B, Gray's Inn Road, London, W.C. 1	Museum 4365	Asunder, Holb, London.
TURNER BROS. ASBESTOS CO., LTD., Rochdale	Rochdale 941	Turners, Rochdale.
TYRER, THOMAS, & CO., LTD., Stirling Chemical Works, Stratford, London, E. 15	Maryland 2510 (2 lines)	Tyremicus, Phone, London.
UNITED ALKALI CO., LTD., Cunard Building, Liverpool	Bank 9280	Ubique, Liverpool.
UNITED STATES METALLIC PACKING CO., LTD., Soho Works, Allerton Road, Bradford, Yorks	Bradford 4705–4706	Metallic, Bradford.
UNITED WATER SOFTENERS, LTD., Imperial House, Kingsway, London, W.C. 2	Regent 5270 (4 lines)	Aquadolce, Estrand, London.

VARLEY, JOHN, & CO., LTD., Waterloo and Atlas Foundries, St. Helens, Lancs.	St. Helens 43 and 44	Varley, St. Helens.
VAUGHAN CRANE CO., LTD., Openshaw, Manchester	Openshaw 256, Central 5113	Vaunting, Manchester.
VIRTUE & CO., LTD., 7, City Garden Row, City Road, London, N. 1	Clerkenwell 3175	Virtutis, Isling, London.
WADE-WILTON SYNTHETIC DRUG & CHEMICALS CO., Planet Works, Bramley, Leeds	Stanningley 238	Wilton, Bramley, Leeds.
WADSWORTH, WM., & SONS, LTD., Bridgman Street, Bolton	Bolton 1341 and 1342	Hoists, Bolton.
WAKEFIELD, W. C., Savile Town Chemical Works, Dewsbury	Dewsbury 539	Chemico, Dewsbury.
WALKER, CROSWELLER & CO., Dane's Inn House, 265, Strand, London, W.C. 2 ..	Central 1963	Instrukemi, Estrand, London.
WALLER, GEORGE, & SON, LTD., Phœnix Iron Works, Stroud, Glos.	Brimscombe 10	Waller, Brimscombe.
WARNE, WM., & CO., LTD., 29, Gresham Street, London, E.C. 2	Central 3436	Caoutchouc, Cent, London.
WASHINGTON CHEMICAL CO., LTD., Washington Station, co. Durham ..	Central 3787 and 3788	Chemical, Washington Station.
WAUGH, WALTER, & CO., 4, Lloyds Avenue, London, E.C. 3	Avenue 6660 (3 lines)	Swaltaugh, Fen, London.
WEIR, G. & J., LTD., Monel Metal Department, Cathcart, Glasgow	Langside 450	Giweir, Glasgow.
WESTERN CHEMICAL CO. (PAISLEY), LTD., Sandyford Works, Paisley	Paisley 2822	Western, Paisley.
WESTERN ELECTRIC CO., LTD., 60 and 62, Finsbury Pavement, London, E.C. 2	London Wall 7608 and 7609	Relay, Estrand, London.
WESTWOOD & WRIGHTS, Hope Works, Brierley Hill	Brierley Hill 45	Westwood Wrights, Brierley Hill.
WHESSOE FOUNDRY & ENGINEERING CO., LTD., Darlington	Darlington 2734 (2 lines)	Whessoe, Darlington.
WHITE, JOHN & JAMES, LTD., 7, West George Street, Glasgow ..	Central 9147 and 9148	Bichrome, Glasgow.
WHITE & CO., Golden House, 29, Great Pulteney Street, London, W. 1	Gerrard 6881	Denwhi, London.
WHITEHEAD & POOLE, LTD., Radcliffe, Nr. Manchester	Whitefield 37	Iron, Radcliffe.
WIDNES FOUNDRY CO., LTD., Widnes	Widnes 225	Foundry, Widnes.
WIGGIN, HENRY, & CO., LTD., 55, George Street Parade, Birmingham ..	Birmingham 6400	Wiggin, Birmingham.
WILKINSON, HEYWOOD & CLARK, LTD., General Buildings, Aldwych, London, W.C. 2	City 7180	—
WILKINSON, JAMES, & SON, Tinsley Park Road, Sheffield	Sheffield 1309	Chemicals, Sheffield.
WILLCOCKS, H. S., & CO. (CHEMICALS), LTD., 5, Beaver Street, Whitworth Street, Manchester	Central 3616	Zinc, Manchester.
WILLIAMS BROS. & CO., Hanworth Road, Hounslow	Hounslow 29	—
WOOD BROS. GLASS CO., LTD., Pontefract Road, Barnsley	Barnsley 39	Woods, Barnsley.
WOODALL, DUCKHAM & JONES (1920), LTD., 52, Grosvenor Gardens, London, S.W. 1 ..	Victoria 9272	Retortical, Sowest, London.
WOODHOUSE & MITCHELL, LTD., Wakefield Road, Brighouse	Brighouse 7	Woodhouse, Brighouse.
WOODLANDS, LTD., Charlton Green, Dover	Dover 228	Chitty Dover, 228.
WORCESTER ROYAL PORCELAIN CO., LTD., Royal Porcelain Works, Worcester	Worcester 22	Royal, Worcester.
WRIGHT, ALEX., & CO., LTD., 1, Westminster Palace Gardens, Artillery Row, London, S.W. 1	Victoria 1207	Precision, Vic, London.
YORKSHIRE DYEWARE & CHEMICAL CO., LTD., Pearl Chambers, East Parade, Leeds ..	Leeds 25361	Research, Leeds.
ZIMMERMANN, A. & M., LTD., 3, Lloyd's Avenue, London, E.C. 3	Avenue 2262, 2263 and 2264	Zimmermann, Fen, London.

PART II.

Classified lists of Chemical Products, Dyes, Raw Materials, Plant, Equipment, &c.

Supplied by firms advertising in the Journal of the Society of Chemical Industry up to December 31st, 1922.

Classified List of Chemical Products, Dyes, Raw Materials, Plant, Equipment, &c.

ABSORPTION TOWERS.

ACCRINGTON BRICK & TILE CO., LTD., Accrington.

ACENAPHTHENE.

JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.

ACETIC ACID.

HEYMANN, HARRY, 5, Union Street, Bradford.
JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.
NICHOLSONS (NEWCASTLE-ON-TYNE), LTD., Heaton Junction, Newcastle-on-Tyne.

ACETIC ACID (Plant for).

KESTNER EVAPORATOR & ENGINEERING CO., LTD., 5, Grosvenor Gardens, Westminster, S.W. 1.

ACETIC ANHYDRIDE.

BRITISH CELLULOSE & CHEMICAL MFG. CO., LTD., 8, Waterloo Place, S.W. 1.

ACETONE.

JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.
NICHOLSONS (NEWCASTLE-ON-TYNE) LTD., Heaton Junction, Newcastle-on-Tyne.
SHIRLEY ALDRED & CO., LTD., Worksop.

ACETONE (Plant for).

KESTNER EVAPORATOR & ENGINEERING CO., LTD., 5, Grosvenor Gardens, Westminster, S.W. 1.

ACID, ACCUMULATOR.

NICHOLSON, JOHN & SONS, LTD., Hunslet Chemical Works, Leeds.
SPENCER CHAPMAN & MESSEL, LTD., 36, Mark Lane, E.C. 3.

ACID CONCENTRATING PLANT.

KESTNER EVAPORATOR & ENGINEERING CO., LTD., 5, Grosvenor Gardens, Westminster, S.W. 1.

ACID EGGS.

BRINJES & GOODWIN, LTD., Cold Harbour, Poplar, E. 14.
KESTNER EVAPORATOR & ENGINEERING CO., LTD., 5, Grosvenor Gardens, Westminster, S.W. 1.
LEEDS & BRADFORD BOILER CO., LTD., Stanningley, Leeds.

ACID ELEVATORS.

KESTNER EVAPORATOR & ENGINEERING CO., LTD., 5, Grosvenor Gardens Westminster, S.W. 1.

ACID PLANT (all kinds).

LIVINGSTON, JAMES, LTD., Imperial House, Kingsway, W.C.

ACID RESISTING ALLOYS.

BRINJES & GOODWIN, LTD., Cold Harbour, Poplar, E. 14.

ACID RESISTING CASTINGS.

Widnes Foundry Co., Ltd., Widnes.

ACID RESISTING, ENAMELLED, CAST IRON CHEMICAL PLANT.

Clark, T. & C., & Co., Ltd., Shakespeare Foundry, Wolverhampton.

ACID RESISTING GOODS.

Accrington Brick & Tile Co., Ltd., Accrington. "Nori-Ware."
Buckley Brick & Tile Co., Ltd., Buckley, via Chester.
Castle Fire Brick Co., Ltd., Northop, Flintshire.

ACIDS, INORGANIC (Heavy).

South Metropolitan Gas Co., 709, Old Kent Road, S.E. 15.
Spencer, Chapman & Messel, Ltd., 36, Mark Lane, E.C. 3.

AGITATORS.

Brinjes & Goodwin, Ltd., Cold Harbour, Poplar, E. 14.
Dorr Co., 16, South Street, London, E.C. 2.
Fraser, W. J. & Co., Ltd., Dagenham, Romford, Essex.

AGRICULTURAL CHEMICALS.

Harrington Bros., Ltd., 4/7, Oliver's Yard, City Road, London, E.C. 1.

AIR COMPRESSORS.

Alley & MacLellan, Ltd., Sentinel Works, Polmadie, Glasgow.
Brotherhood, Peter, Ltd., Peterborough.
Fullerton, Hodgart & Barclay, Ltd., Paisley.
Johnson, S. H. & Co., Ltd., Carpenter's Road, Stratford, E. 15.
Pearn, Frank & Co., Ltd., West Gorton, Manchester.
Siebe, Gorman & Co., Ltd., 187, Westminister Bridge Road, S.E. 1.
Tilghman's Patent Sand Blast Co., Ltd., Broadheath, Nr. Manchester.

AIR COMPRESSORS and EJECTORS.

Korting Bros. (1917), Ltd., 27, Shaftesbury Avenue, W. 1.

AIR RECEIVERS.

Fraser, W. J. & Co., Ltd., Dagenham, Romford, Essex.
Leeds & Bradford Boiler Co., Ltd., Stanningley, Leeds.

AIR SEPARATORS.

Edgar Allen & Co., Ltd., Imperial Steel Works, Sheffield.

AIR WASHERS.

Fraser, W. J. & Co., Ltd., Dagenham, Romford, Essex.

ALCOHOL (Absolute).

Burrough, James, Ltd., Cale Distillery, Hutton Road, Lambeth, S.E. 11.

ALIZARINE COLOURS, ACID.

Scottish Dyes, Ltd., Grangemouth, Stirlingshire.

ALKALIS.

Brunner, Mond & Co., Ltd., Northwich, Cheshire.
United Alkali Co., Ltd., Cunard Building, Liverpool.

ALKALOIDS.

British Drug Houses, Ltd., 16-30, Graham Street, City Road, London, N. 1.
May & Baker, Ltd., Garden Wharf, Church Road, Battersea, S.W. 11.

ALUM.

AUSTRALIAN ALUM CO., LTD., Runcorn, Cheshire.
SPENCE, PETER & SONS, LTD., Manchester, Goole, Farnworth (Widnes), and London.

ALUMINA, HYDRATE.

BRITISH ALUMINIUM CO., LTD., 109, Queen Victoria Street, London, E.C. 4.

ALUMINIUM.

BRITISH ALUMINIUM CO., LTD., 109, Queen Victoria Street, London, E.C. 4.

ALUMINIUM PLANT.

ALUMINIUM PLANT & VESSEL CO., LTD., Point Pleasant, Wandsworth, S.W. 18.

ALUMINIUM SULPHATE.

AUSTRALIAN ALUM CO., LTD., Runcorn, Cheshire.
JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.
SPENCE, PETER & SONS, LTD., Manchester, Goole, Farnworth (Widnes) and London.

ALUMINOFERRIC.

SPENCE, PETER & SONS, LTD., Manchester, Goole, Farnworth (Widnes), and London.

AMMONIA (All Strengths).

NICHOLSONS (NEWCASTLE-ON-TYNE), LTD., Heaton Junction, Newcastle-on-Tyne.

AMMONIA, LIQUID.

CHANCE & HUNT, LTD., Oldbury, Worcs.

AMMONIA LIQUOR.

BROTHERTON & CO., LTD., City Chambers, Leeds.
SOUTH METROPOLITAN GAS CO., 709, Old Kent Road, S.E. 15.

AMMONIA LIQUOR (Concentrated).

SOUTH METROPOLITAN GAS CO., 709, Old Kent Road, S.E. 15

AMMONIA MASKS.

SIEBE, GORMAN & CO , LTD., 187, Westminster Bridge Road, S.E. 1.

AMMONIA MURIATE.

SOUTH METROPOLITAN GAS CO., 709, Old Kent Road, London, S.E. 15.
(*See* also AMMONIUM CHLORIDE.)

AMMONIA OXIDATION PLANT.

CARMICHAEL, JOHN F., & CO., LTD., Tower Buildings, Liverpool.
FRASER, W. J. & CO., LTD., Dagenham, Romford, Essex.

AMMONIA PRODUCTS.

SOUTH METROPOLITAN GAS CO., 709, Old Kent Road, S.E. 15.

AMMONIA STILLS.

LEEDS & BRADFORD BOILER CO., LTD., Stanningley, Leeds.

AMMONIUM BICHROMATE.

WHITE, JOHN & JAMES, LTD., 7, West George Street, Glasgow.

AMMONIUM CARBONATE.

BROTHERTON & CO., LTD., City Chambers, Leeds.
BRUNNER, MOND & CO, LTD., Northwich, Cheshire.
CHANCE & HUNT, LTD., Oldbury, Worcs.
WESTERN CHEMICAL CO. (PAISLEY), LTD., Sandyford Works, Paisley.

AMMONIUM CHLORIDE.

BRUNNER, MOND & CO., LTD., Northwich, Cheshire.
CHANCE & HUNT, LTD., Oldbury, Worcs.
JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.
SOUTH METROPOLITAN GAS CO., 709, Old Kent Road, S.E. 15.

AMMONIUM CHLORIDE PLANT.

SCOTT, GEORGE, & SON (LONDON), LTD., Kingsway House, Kingsway, W.C. 2.

AMMONIUM PERSULPHATE.

ALBRIGHT & WILSON, LTD., Oldbury, Nr. Birmingham.
WOODLANDS, LTD., Charlton Green, Dover.

AMMONIUM PHOSPHATE.

ALBRIGHT & WILSON, LTD., Oldbury, Nr. Birmingham.

AMMONIUM POLYSULPHIDE.

SOUTH METROPOLITAN GAS CO., 709, Old Kent Road, S.E. 15.

AMMONIUM SULPHATE.

ALBRIGHT & WILSON, LTD., Oldbury, Nr. Birmingham.
BRUNNER, MOND & CO., LTD., Northwich, Cheshire.
SOUTH METROPOLITAN GAS CO., 709, Old Kent Road, London, S.E. 15.
WHITE, JOHN & JAMES, Ltd., 7, West George Street, Glasgow.

AMMONIUM SULPHATE PLANT.

BLAIR, CAMPBELL & MCLEAN, LTD., Woodville Street, Govan, Glasgow.
HYDRONYL SYNDICATE, LTD., 27, Clements Lane, London, E.C. 4.
SCOTT, GEORGE & SON (LONDON), LTD., Kingsway House, Kingsway, W.C. 2.

AMMONIUM SULPHIDE.

CANNING, W., & CO., LTD., Gt. Hampton Street, Birmingham.

AMMONIUM SULPHITE.

SOUTH METROPOLITAN GAS CO., 709, Old Kent Road, London, S.E. 15.

AMYL ACETATE.

JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.

AMYL, ALCOHOL (Crude).

JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.

AMYL, ALCOHOL (Pure).

JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.

ANALYTICAL CHEMICALS.

HARRINGTON BROS., LTD., 4/7, Oliver's Yard, City Road, London, E.C. 1.

ANALYTICAL REAGENTS.

BRITISH DRUG HOUSES, LTD., 16-30, Graham Street, City Road, London, N. 1.

ANILINE COLOURS AND DYES.

(*See* DYES.)

ANILINE OIL.

JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.

ANIMAL RESIDUALS PLANT.

SCOTT, GEORGE & SON (LONDON), LTD., Kingsway House, Kingsway, London, W.C. 2.

ANTHRACENE.

Brotherton & Co., Ltd., City Chambers, Leeds.
Gas Light & Coke Co., Dauntsey House, Frederick's Place, Old Jewry, E.C. 2.
South Metropolitan Gas Co., 709, Old Kent Road, S.E. 15.

ANTHRACENE OIL (Crude).

Jensen, Lawson & Co., 17, Monument Street, London, E.C. 3.

ANTHRANILIC ACID.

Scottish Dyes, Ltd., Grangemouth, Stirlingshire.

ANTHRAQUINONE.

Jensen, Lawson & Co., 17, Monument Street, London, E.C. 3.

ANTI-FOULING CHEMICALS.

May & Baker, Ltd., Garden Wharf, Church Road, Battersea, S.W. 11.

APPARATUS, SCIENTIFIC (Chemical, Physical, Optical and Photographic).

Reynolds & Branson, Ltd., 14, Commercial Street, Leeds.

ARSENIC OXIDE (White Arsenic).

Jensen, Lawson & Co., 17, Monument Street, London, E.C. 3.

ASBESTOS BOILER and PIPE COVERINGS.

Bell's United Asbestos Co., Ltd., Southwark Street, London, S.E. 1

ASBESTOS FILTER FIBRE (Powminco Brand).

Newitt & Son, St. Stephen's House, Westminster, S.W. 1.

ASBESTOS IN ALL FORMS.

Attwater & Sons, Hopwood Street Mills, Preston.

ASBESTOS JOINTINGS.

Bell's United Asbestos Co., Ltd., Southwark Street, London, S.E. 1.

ASBESTOS PACKINGS.

Bells' United Asbestos Co., Ltd., Southwark Street, London, S.E. 1.

ASPIRIN.

British Drug Houses, Ltd., 16-30, Graham Street, City Road, London, N. 1.

AUTOCLAVES.

Blair, Campbell & McLean, Ltd., Woodville Street, Govan, Glasgow.
Brinjes & Goodwin, Ltd., Cold Harbour, Poplar, E. 14.
Cannon Iron Foundries, Ltd., Deepfields, Nr. Bilston.
Fletcher, George & Co., Ltd., Masson Works, Derby.
Fraser, W. J. & Co., Ltd., Dagenham, Romford, Essex.
Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, Westminster, S.W. 1.
Widnes Foundry Co., Ltd., Widnes.

AUTOMATIC WEIGHING MACHINES.

Avery, W. & T., Ltd., Soho Foundry, Birmingham.

BAGS and SACKS.

Feltham, W. H. & Son, Imperial Works, Tower Bridge Road, S.E. 1.
Firmin & Co., Handford Works, Ipswich.

BAKELITE in All Forms.

Attwater & Sons, Hopwood Street Mills, Preston.

BALANCE REPAIRS.

REYNOLDS & BRANSON, LTD, 14. Commercial Street, Leeds.

BALANCES AND WEIGHTS.

NICOLSON, W. B., 166A, Bath Street, Glasgow.
REYNOLDS & BRANSON, LTD., 14, Commercial Street., Leeds.

BALL MILLS.

EDGAR ALLEN & CO., LTD., Imperial Steel Works, Sheffield.

BARIUM CARBONATE.

STOCKTON-ON-TEES CHEMICAL WORKS, LTD., Bowesfield Lane, Stockton-on-Tees.

BARIUM CHLORIDE.

STOCKTON-ON-TEES CHEMICAL WORKS, LTD., Bowesfield Lane, Stockton-on-Tees.

BARIUM HYDRATE.

STOCKTON-ON-TEES CHEMICAL WORKS, LTD., Bowesfield Lane, Stockton-on-Tees.

BARIUM SULPHATE.

(*See* BLANC FIXE.)

BARIUM SULPHIDE.

STOCKTON-ON-TEES CHEMICAL WORKS, LTD., Bowesfield Lane, Stockton-on-Tees.

BELTINGS, HAIR, COTTON and BALATA.

BRIGHT, JOHN & BROS., LTD., Fieldhouse Mills, Rochdale.

BENZOATES.

BRITISH DRUG HOUSES, LTD., 16-30, Graham Street, City Road, London, N. 1.

BENZOL.

BROTHERTON & CO., LTD., City Chambers, Leeds.
HICKSON & PARTNERS, LTD., 38, Well Street, Bradford.
JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.
NICHOLSONS (NEWCASTLE-ON-TYNE), LTD., Heaton Junction, Newcastle-on-Tyne.
SOUTH METROPOLITAN GAS CO., 709, Old Kent Road, S.E. 15.

BENZOL RECOVERY and DISTILLATION PLANT.

KESTNER EVAPORATOR & ENGINEERING CO., LTD., 5, Grosvenor Gardens, Westminster, S.W. 1.
SCOTT, GEORGE & SON (LONDON), LTD., Kingsway House, Kingsway, W.C. 2.

BENZOL STILLS.

LEEDS & BRADFORD BOILER CO., LTD., Stanningley, Leeds.

BICHROMATES (Potash, Soda, and Ammonia).

WHITE, JOHN & JAMES, LTD., 7, West George Street, Glasgow.

BISMUTH SALTS.

HOWARDS & SONS, LTD., Ilford, Essex.
MAY & BAKER, LTD., Garden Wharf, Church Road, Battersea, S.W. 11.

BISULPHITE PLANT.

FRASER, W. J. & CO., LTD., Dagenham, Romford, Essex.
HUMPHRIES, H. B. P., 14, Old Queen Street, Westminster, S.W.

BISULPHITES.

COLLETT, J. M. & CO., LTD., Bristol Road, Gloucester.

BLANC FIXE.

STOCKTON-ON-TEES CHEMICAL WORKS, LTD., Bowesfield Lane, Stockton-on-Tees.

BLEACHING POWDER.

CASTNER-KELLNER ALKALI CO., LTD., 257, Royal Liver Building, Liverpool.

BOILER AND PIPE COVERINGS.

SUTCLIFFE BROS. & BRYCE, LTD., Boston Works, Hyde.

BOILER MAKERS AND REPAIRERS.

HEWITT & KELLETT, LTD., Bowling Boiler Works, Bradford.

BOILER SETTERS.

DANKS, H. & T. (NETHERTON), LTD., Netherton, Dudley.

BOILERS.

CANNON IRON FOUNDRIES, LTD., Deepfields, Nr. Bilston.
DANKS, H. & T. (NETHERTON), LTD., Netherton, Dudley.

BOILERS (Oil).

FRASER, W. J. & CO., LTD., Dagenham, Romford, Essex.

BOILING PLANT (Steam Jacketted).

BLAIR, CAMPBELL & MCLEAN, LTD., Woodville Street, Govan, Glasgow.
FRASER, W. J. & CO., LTD., Dagenham, Romford, Essex.

BONE DEGREASING PLANT.

STANDAR CHEMICAL ENGINEERING CO., LTD., 21, Panton Street, London, S.W. 1.

BONE DIGESTORS.

BRINJES & GOODWIN, LTD., Cold Harbour, Poplar, E. 14.

BOOKS (Technical and Scientific).

BRYCE, WILLIAM, 54, 54A, Lothian Street, Edinburgh.
LEWIS, H. K. & CO., LTD., 136, Gower Street, London, W.C. 1.
MCGRAW-HILL PUBLISHING CO., LTD., 6, Bouverie Street, London, E.C. 4.
SCOTT, GREENWOOD & SON, 8, Broadway, Ludgate, London, E.C. 4.

BORAX.

BORAX CONSOLIDATED, LTD., 16, Eastcheap, London, E.C. 3.

BORAX GLASS.

BORAX CONSOLIDATED, LTD., 16, Eastcheap, London, E.C. 3.

BORIC ACID.

BORAX CONSOLIDATED, LTD., 16, Eastcheap, London, E.C. 3.

BOTTLES.

DUROGLASS, LTD., Blackhorse Lane, Walthamstow.

BRASS CASTINGS.

ACKROYD & BEST., LTD., Beacon Works, Morley, Nr. Leeds, Yorks.

BRASSFOUNDERS.

BLAIR, CAMPBELL & MCLEAN. LTD., Woodville Street, Govan, Glasgow.

BREATHING APPARATUS.

Siebe, Gorman & Co., Ltd., 187, Westminster Bridge Road, S.E. 1.

BREWERS' CHEMICALS.

Collett, J. M. & Co., Ltd., Bristol Road, Gloucester.

BRICKS.

Accrington Brick & Tile Co., Ltd., Accrington.

BROMONAPHTHALENE.

Albright & Wilson, Ltd., Oldbury, Nr. Birmingham.

"BYNO" MALT EXTRACT PREPARATIONS.

Allen & Hanburys, Ltd., 37, Lombard Street, London, E.C. 3.

BY-PRODUCT RECOVERY PLANT.

Blair, Campbell & McLean, Ltd., Woodville Street, Govan, Glasgow.
Livingston, James, Ltd., Imperial House, Kingsway, W.C.
Scott, George & Son (London), Ltd., Kingsway House, Kingsway, W.C. 2.

CADMIUM SALTS.

British Drug Houses, Ltd., 16-30, Graham Street, City Road, London, N. 1.

CADMIUM SULPHIDE.

Harrington Bros., Ltd., 4-7, Oliver's Yard, City Road, E.C. 1.

CALCIUM CHLORIDE.

Brunner, Mond & Co., Ltd., Northwich, Cheshire.

CALCIUM HYDROXIDE.

Callow Rock Lime Co., Ltd., Salisbury House, E.C. 2.
Sofnol, Ltd., Westcombe Hill, Greenwich, S.E. 10.

CALCIUM OXIDE.

Callow Rock Lime Co., Ltd., Salisbury House, E.C. 2.

CALCIUM PHOSPHATE (Acid).

Albright & Wilson, Ltd., Oldbury, Nr. Birmingham.

CALCIUM PHOSPHATE (Tribasic).

Albright & Wilson, Ltd., Oldbury, Nr. Birmingham.

CALORIZING PROCESS.

Scarab Oil Burning Co., Ltd., Carlton House, Regent Street, S.W. 1.

CAMPHOR (Transparent Refined).

May & Baker, Ltd., Garden Wharf, Church Road, Battersea, S.W. 11.

CAPSTANS (Electric).

Broadbent, Thomas & Sons, Ltd., Central Ironworks, Huddersfield.

CARAMEL (Burnt Sugar).

Collett, J. M. & Co., Ltd., Bristol Road, Gloucester.
Lambert, L., & Co., Ltd., Colne Works, High Street, Uxbridge, Middlesex.

CARBOLIC ACID.

Bowdler & Bickerdike, Church, Nr. Accrington, Lancashire.
Brotherton & Co., Ltd., City Chambers, Leeds.
Gas Light & Coke Co., Dauntsey House, Frederick's Place, Old Jewry, E.C. 2.
Jensen, Lawson & Co., 17, Monument Street, London, E.C. 3.
South Metropolitan Gas Co., 709, Old Kent Road, S.E. 15.

CARBON DIOXIDE RECORDERS.

WALKER, CROSWELLER & CO., Dane's Inn House, 265, Strand, W.C. 2.

CARBON TETRACHLORIDE.

ALBRIGHT & WILSON, LTD., Oldbury, Nr. Birmingham.
JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.

CASKS, COTTON LININGS for.

FELTHAM, W. H. & SON, Imperial Works, Tower Bridge Road, S.E. 1.

CASTINGS (Chemical).

FULLER ENGINEERING CO., 25, Victoria Street, Westminster, S.W. 1.
WIDNES FOUNDRY CO., LTD., Widnes.

CAST IRON PIPEWORKS.

CLAPHAM BROS., LTD., Wellington Works, Keighley.

CAST IRON TANKS.

CLAPHAM BROS., LTD., Wellington Works, Keighley.

CAUSTICISING PLANT.

DORR CO., THE, 16, South Street, London, E.C. 2.
SCOTT, GEORGE & SON (LONDON), LTD., Kingsway House, Kingsway, W.C. 2.
WIDNES FOUNDRY CO., LTD., Widnes.

CELLULOSE ACETATE.

BRITISH CELLULOSE & CHEMICAL MANUFACTURING CO., LTD., 8, Waterloo Place, S.W. 1.

CEMENT.

BARNSTONE CEMENT CO., LTD., Barnstone, Notts.

CEMENT (Acid-resisting).

ACCRINGTON BRICK & TILE CO., LTD., Accrington.

CENTRIFUGAL CLUTCHES.

BROADBENT, THOMAS & SONS, LTD., Central Ironworks, Huddersfield.

CENTRIFUGAL SEPARATORS.

CENTRIFUGAL SEPARATORS, LTD., 161, Queen's Road, Peckham, S.E. 15.
UNITED WATER SOFTENERS, LTD., Imperial House, Kingsway, W.C. 2.

CENTRIFUGALS.

BROADBENT, THOMAS & SONS, LTD., Central Ironworks, Huddersfield.

CHAINS and SLINGS.

TODD BROS., Widnes, Lancashire.

CHARCOAL (Wood).

SHIRLEY ALDRED & CO., LTD., Worksop.

CHEMICAL APPARATUS.

BAIRD & TATLOCK, LTD., 45, Renfrew Street, Glasgow.
DUROGLASS, LTD., Blackhorse Lane, Walthamstow.
NICOLSON, W. B., 166a, Bath Street, Glasgow.
WALKER, CROSWELLER & CO., Dane's Inn House, 265, Strand, W.C. 2.

CHEMICAL ENGINEERS.

Blair, Campbell & McLean, Ltd., Woodville Street, Govan, Glasgow.
Brinjes & Goodwin, Ltd., Cold Harbour, Poplar, E. 14.
Johnson, S. H. & Co., Ltd., Carpenters Road, Stratford, E. 15.
Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, Westminster, S.W. 1.
Lodge-Cottrell, Ltd., 51, Great Charles Street, Birmingham.
Widnes Foundry Co., Ltd., Widnes.

CHEMICAL MANUFACTURERS and DEALERS.

Reynolds & Branson, Ltd., 14, Commercial Street, Leeds.

CHEMICAL MERCHANTS.

Jensen, Lawson & Co., 17, Monument Street, London, E.C. 3.

CHEMICAL PLANT.

Aluminium Plant & Vessel Co., Ltd., Point Pleasant, Wandsworth, S.W. 18.
Bennett, Sons & Shears, Ltd., 43, Shoe Lane, London, E.C. 4.
Brinjes & Goodwin, Ltd., Cold Harbour, Poplar, E. 14.
Cannon Iron Foundries, Ltd., Deepfields, Nr. Bilston.
Clark, T. & C. & Co., Ltd., Shakespeare Foundry, Wolverhampton.
Haughton's Patent Metallic Packing Co., Ltd., 30, St. Mary-at-Hill, London, E.C. 3.
Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, Westminster, S.W. 1.
Livingston, James, Ltd., Imperial House, Kingsway, W.C.
Manlove, Alliott & Co., Ltd., Bloomsgrove Works, Nottingham.
Newton, Chambers & Co., Ltd., Thorncliffe, Nr. Sheffield.
Thompson, John (Gas Developments), Ltd., Wolverhampton.

CHEMICAL PLANT (Aluminium).

Brinjes & Goodwin, Ltd., Cold Harbour, Poplar, E. 14.

CHEMICAL PLANT (Copper).

Brinjes & Goodwin, Ltd., Cold Harbour, Poplar, E. 14.
Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, Westminster, S.W. 1.

CHEMICAL PLANT (Fine).

Widnes Foundry Co., Ltd., Widnes.

CHEMICAL PLANT (Nickel).

Brinjes & Goodwin, Ltd., Cold Harbour, Poplar, E. 14.

CHEMICAL PLANT (Vitreosil).

Thermal Syndicate, Ltd., Vitreosil Works, Wallsend-on-Tyne.

CHEMICAL STORAGE TANKS and CISTERNS.

Braby, Fredk. & Co., Ltd., Eclipse Iron and Galvanising Works, Petershill Road, Glasgow.

CHEMICALS (A.R.).

Harrington Bros., Ltd., 4/7, Oliver's Yard, City Road, London, E.C. 1.

CHEMICALS (Fine).

Berk, F. W. & Co., Ltd., 1, Fenchurch Avenue, London, E.C. 3.
British Drug Houses, Ltd., 16-30, Graham Street, City Road, London, N. 1.
British Dyestuffs Corporation, Ltd., 70, Spring Gardens, Manchester.
Reynolds & Branson, Ltd., 14, Commercial Street, Leeds.

CHEMICALS (Heavy).

Berk, F. W. & Co., Ltd., 1, Fenchurch Avenue, London, E.C. 3.

CHEMICALS (Technical).

HARRINGTON BROS., LTD., 4/7, Oliver's Yard, City Road, London, E.C. 1.

CHIMNEY BUILDERS.

DANKS, H. & T. (NETHERTON), LTD., Netherton, Dudley.

CHLORINE (Liquid).

CASTNER-KELLNER ALKALI CO., LTD., 257, Royal Liver Building, Liverpool.

CHLORINE RECORDERS

WALKER, CROSWELLER & CO., Dane's Inn House, 265, Strand, W.C. 2.

CHROMATES (Potash and Soda).

WHITE, JOHN & JAMES, LTD., 7, West George Street, Glasgow.

CHROMETAN CRYSTALS.

WHITE, JOHN & JAMES, LTD., 7, West George Street, Glasgow.

CHROMETAN LIQUOR.

WHITE, JOHN & JAMES, LTD., 7, West George Street, Glasgow.

CHROMIUM OXIDE.

WHITE, JOHN & JAMES, LTD., 7, West George Street, Glasgow.

CITRATES.

BRITISH DRUG HOUSES, LTD., 16-30, Graham Street, City Road, London, N. 1.

CLARIFIERS.

DORR CO., THE, 16, South Street, London, E.C. 2.

CLASSIFIERS.

DORR CO., THE, 16, South Street, London, E.C. 2.

CLAY GOODS FOR RESISTING ALL CHEMICAL ACTIONS.

BUCKLEY BRICK & TILE CO., LTD., Buckley, via Chester.

CLOTH (Agents for).

HILL, SAMUEL, LTD., Hunters Lane, Rochdale.

CLOTHING (Acid-Proof) and OVERALL SPECIALISTS.

GARDINER & CO. (THE SCOTCH HOUSE), LTD., 1, Commercial Road, E. 1.

COAL TAR.

(*See* TAR.)

COBALT SALTS.

BRITISH DRUG HOUSES, LTD., 16-30, Graham Street, City Road, London, N. 1.

COCKS and VALVES.

FRASER, W. J. & CO., LTD., Dagenham, Romford, Essex.
JOHNSON, S. H. & CO., LTD., Carpenters Road, Stratford, E. 15.
UNITED STATES METALLIC PACKING CO., LTD., Soho Works, Allerton Road, Bradford, Yorks.

COD LIVER OIL.

ALLEN & HANBURYS, LTD., 37, Lombard Street, London, E.C. 3.

COILS.

ALUMINIUM PLANT & VESSEL CO., LTD., Point Pleasant, Wandsworth, S.W. 18.

COLLODIONS.

May & Baker, Ltd., Garden Wharf, Church Road, Battersea, S.W. 11.

COLOUR PLANTS (all kinds).

Livingston, James, Ltd., Imperial House, Kingsway, W.C.

COLOUR PRESSES.

Johnson, S. H. & Co., Ltd., Carpenters Road, Stratford, E. 15.

COMPLETE INSTALLATIONS.

Guthrie & Co., Accrington.

CONCENTRATING PLANT.

Accrington Brick & Tile Co., Ltd., Accrington.
Fraser, W. J. & Co., Ltd., Dagenham, Romford, Essex.

CONDENSERS.

Aluminium Plant & Vessel Co., Ltd., Point Pleasant, Wandsworth, S.W. 18.
Blair, Campbell & McLean, Ltd., Woodville Street, Govan, Glasgow.
Brinjes & Goodwin, Ltd., Cold Harbour, Poplar, E. 14.
Clapham Bros., Ltd., Wellington Works, Keighley.
Fraser, W. J. & Co., Ltd., Dagenham, Romford, Essex.
Fullerton, Hodgart & Barclay, Ltd., Paisley.
Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, Westminster, S.W. 1.
Korting Bros. (1917), Ltd., 27, Shaftesbury Avenue, W. 1.
Livingston, James, Ltd., Imperial House, Kingsway, W.C.
Mirrlees Watson Co., Ltd., 45, Scotland Street, Glasgow.
Rees Roturbo Manufacturing Co., Ltd , Wolverhampton.

CONFECTIONERY PLANT.

Aluminium Plant & Vessel Co., Ltd., Point Pleasant, Wandsworth, S.W. 18.

CONVEYORS.

Fraser, W. J. & Co., Ltd., Dagenham, Romford, Essex.
Harris, Albert E., 19, Russell Square, London, W.C. 1.
Rownson, Drew & Clydesdale, Ltd., 225, Upper Thames Street, E.C. 4.

COOLERS.

Blair, Campbell & McLean, Ltd., Woodville Street, Govan, Glasgow.
Clapham Bros., Ltd., Keighley.

COPPERAS.

South Metropolitan Gas Co., 709, Old Kent Road, S.E. 15.

COPPER CARBONATE.

Canning, W. & Co., Ltd., Gt. Hampton Street, Birmingham.

COPPER CYANIDE.

Canning, W. & Co., Ltd., Gt. Hampton Street, Birmingham.

COPPERSMITHS.

Bennett, Sons & Shears, Ltd., 43, Shoe Lane, London, E.C. 4.
Blair, Campbell & McLean, Ltd., Woodville Street, Govan, Glasgow.

CORDS, ROPES and TWINES.

Firmin & Co., Handford Works, Ipswich.

CORRUGATED JOINT RINGS (Lead).

Ford & Co., Middle Gate Entrance, Tyne Dock, South Shields.

CORRUGATED JOINT RINGS (Metallic—Brass, Copper, Steel Nickel, Lead).

FORD & CO., Middle Gate Entrance, Tyne Dock, South Shields.

CORRUGATED JOINT RINGS (Taylor's).

FORD & CO., Middle Gate Entrance, Tyne Dock, South Shields.

CRANES (Electric).

BROADBENT, THOMAS & SONS, LTD., Central Ironworks, Huddersfield.

CREOSOTE.

GAS LIGHT & COKE CO., Dauntsey House, Frederick's Place, Old Jewry, E.C. 2.
JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.
NEWTON, CHAMBERS & CO., LTD., Thorncliffe, Nr. Sheffield.
NICHOLSONS (NEWCASTLE-ON-TYNE), LTD., Heaton Junction, Newcastle-on-Tyne.

CREOSOTE OILS.

SOUTH METROPOLITAN GAS CO., 709, Old Kent Road, S.E. 15.

CREOSOTING PLANTS.

LEEDS & BRADFORD BOILER CO., LTD., Stanningley, Leeds.

CRESOLS (Ortho, Para, and Meta).

JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.

CRESYLIC ACID.

BOWDLER & BICKERDIKE, Church, Nr. Accrington, Lancashire.
BROTHERTON & CO., LTD., City Chambers, Leeds.
GAS LIGHT AND COKE CO., Dauntsey House, Frederick's Place, Old Jewry, London, E.C. 2.
GREENSHIELDS, JAMES & CO., LTD., 54, Gordon Street, Glasgow.
JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.
SOUTH METROPOLITAN GAS CO., 709, Old Kent Road, S.E. 15.

CRUCIBLES (Porcelain).

WORCESTER ROYAL PORCELAIN CO., LTD., Royal Porcelain Works, Worcester.

CRUSHERS.

EDGAR ALLEN & CO., LTD., Imperial Steel Works, Sheffield.

CRUSHING MACHINERY.

EDGAR ALLEN & CO., LTD., Imperial Steel Works, Sheffield.

CRYSTALLIZERS.

BLAIR, CAMPBELL & MCLEAN, LTD., Woodville Street, Govan, Glasgow.
KESTNER EVAPORATOR & ENGINEERING CO., LTD., 5, Grosvenor Gardens, Westminster, S.W. 1.
LEEDS AND BRADFORD BOILER CO., LTD., Stanningley, Leeds.

CRYSTALLIZING TRAYS.

BLAIR, CAMPBELL & MCLEAN, LTD., Woodville Street, Govan, Glasgow.

DAYLIGHT, ARTIFICIAL.

MACBETH ARTIFICIAL DAYLIGHT, 4, Vigo Street, W. 1.

DEGREASING PLANT.

BLAIR, CAMPBELL & MCLEAN, LTD., Woodville Street, Govan, Glasgow.
FRASER, W. J. & CO., LTD., Dagenham, Romford, Essex.

DEODORISING PLANT.

FRASER, W. J. & CO., LTD., Dagenham, Romford, Essex.

DEWATERERS.

Dorr Co., The, 16, South Street, London, E.C. 2.

DIATOMITE.

Eggermont, A., Victoria Square Chambers, Middlesbrough.

DIGESTORS.

Blair, Campbell & McLean, Ltd., Woodville Street, Govan, Glasgow.
Brinjes & Goodwin, Ltd., Cold Harbour, Poplar, E. 14.
Cannon Iron Foundries, Ltd., Deepfields, Nr. Bilston.
Fraser, W. J. & Co., Ltd., Dagenham, Romford, Essex.
Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, Westminster, S.W. 1.
Leeds & Bradford Boiler Co., Ltd., Stanningley, Leeds.

DIPPING ACID.

Spencer, Chapman & Messel, Ltd., 36, Mark Lane, E.C. 3.

DISINFECTANTS.

Bowdler & Bickerdike, Church, Nr. Accrington, Lancashire.
Brotherton & Co., Ltd., City Chambers, Leeds.
Jensen, Lawson & Co., 17, Monument Street, London, E.C. 3.
Newton, Chambers & Co., Ltd., Thorncliffe, Nr. Sheffield.

DISTILLING PLANT.

Blair, Campbell & McLean, Ltd., Woodville Street, Govan, Glasgow.
Fraser, W. J. & Co., Ltd., Dagenham, Romford, Essex.
Scott, George & Son (London), Ltd., Kingsway House, Kingsway, W.C. 2.

DISTILLING PLANT (Fresh Water).

Mirrlees Watson Co., Ltd., 45, Scotland Street, Glasgow.

DRIERS (Soluble).

Grindley & Co., Ltd., Poplar, London, E. 14.

DRUMS and KEGS (Steel).

Tanks & Drums Ltd., Bowling Iron Works, Bradford.
Todd Bros., Widnes, Lancashire.

DRYER and BALL MILL (Vacuum Combined).

Livingston, James, Ltd., Imperial House, Kingsway, W.C.

DRYERS.

Blair, Campbell & McLean, Ltd., Woodville Street, Govan, Glasgow.

DRYERS (Mechanical).

Widnes Foundry Co., Ltd., Widnes.

DRYERS (Rotary).

Allen, Edgar & Co., Ltd., Imperial Steel Works, Sheffield.

DRYERS (Vacuum).

Bennett, Sons & Shears, Ltd., 43, Shoe Lane, London, E.C. 4.
Blair, Campbell & McLean, Ltd., Woodville Street, Govan, Glasgow.
Manlove, Alliott & Co., Ltd., Bloomsgrove Works, Nottingham.
Scott, George & Son (London), Ltd., Kingsway House, Kingsway, W.C. 2.

DRYERS (Vacuum Chamber).

Livingston, James, Ltd., Imperial House, Kingsway, W.C.

DRYERS (Vacuum Drum).

Livingston, James, Ltd., Imperial House, Kingsway, London, W.C. 2.

DRYERS (Vacuum Laboratory).

Livingston, James, Ltd., Imperial House, Kingsway, W.C.

DRYERS (Vacuum Rotary).

Livingston, James, Ltd., Imperial House, Kingsway, W.C.

DRYERS and DRYING PLANT.

Scott, George & Son (London), Ltd., Kingsway House, Kingsway, W.C. 2.

DRYING MACHINES.

Manlove, Alliott & Co., Ltd., Bloomsgrove Works, Nottingham.
Simon, Richard & Sons, Ltd., Phœnix Works, Basford, Nottingham.

DRYING MACHINES (Centrifugal).

Manlove, Alliott & Co., Ltd., Bloomsgrove Works, Nottingham.
Pott, Cassels & Williamson, Motherwell, Nr. Glasgow.

DRYING PLANT.

Brinjes & Goodwin, Ltd., Cold Harbour, Poplar, E. 14.
Korting Bros. (1917), Ltd., 27, Shaftesbury Avenue, W. 1.

DRYING PLANT (Centrifugal).

Pott, Cassels & Williamson, Motherwell, Nr. Glasgow.

DRYING PLANTS (Vacuum).

Blair, Campbell & McLean, Ltd., Woodville Street, Govan, Glasgow.
Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, S.W.

DUST-COLLECTING PLANTS.

Harris, Albert E., 19, Russell Square, W.C. 1.
Lodge-Cottrell, Ltd., 51, Great Charles Street, Birmingham.

DYEING CHEMICALS.

Jensen, Lawson & Co., 17, Monument Street, London, E.C. 3.

DYES (Acid).

Brotherton & Co., Ltd., City Chambers, Leeds.

DYES, ANILINE.

British Dyestuffs Corporation, Ltd., 70, Spring Gardens, Manchester.
Heymann, Harry, 5, Union Street, Bradford.
Hickson & Partners, Ltd., 38, Well Street, Bradford.
Holliday, L. B. & Co., Ltd., Deighton, Huddersfield.
Jensen, Lawson & Co., 17, Monument Street, London, E.C. 3.
North British Chemical Co. (Eng.), Ltd., Fairfield Road Works, Droylsden, Manchester.

DYES (Metachrome).

Brotherton & Co., Ltd., City Chambers, Leeds.

DYES and COLOURS.

Southdown Chemical Co., Ltd., Beaufort Works, Birkenhead.

DYE-MAKING PLANT.

Fraser, W. J. & Co., Ltd., Dagenham, Romford, Essex.
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DYEWOOD and other EXTRACTS PLANT.

Livingston, James, Ltd., Imperial House, Kingsway, W.C.

DYNAMOS and MOTORS (Continuous Current).

Rees Roturbo Manufacturing Co., Ltd., Wolverhampton.

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ATTWATER & SONS, Hopwood Street Mills, Preston.

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ALUMINIUM PLANT & VESSEL CO., LTD., Point Pleasant, Wandsworth, S.W. 18.

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ELECTROLYTIC CAUSTIC PLANT.

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EPSOM SALTS (Pure Medicinal).

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GRINDLEY & CO., LTD., Poplar, London, E. 14.

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HOWARDS & SONS, LTD., Ilford, Essex.
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EVAPORATING and HEATING PANS.

BLAIR, CAMPBELL & MCLEAN, LTD., Woodville Street, Govan, Glasgow.
CANNON IRON FOUNDRIES, LTD., Deepfields, Nr. Bilston.
FRASER, W. J. & CO., LTD., Dagenham, Romford, Essex.

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EVAPORATORS

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FULLERTON, HODGART & BARCLAY, LTD., Paisley.
KESTNER EVAPORATOR & ENGINEERING CO., LTD., 5, Grosvenor Gardens, Westminster, S.W. 1.
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MIRRLEES WATSON CO., LTD., 45, Scotland Street, Glasgow.
SCOTT, GEORGE & SON (LONDON), LTD., Kingsway House, Kingsway, W.C. 2.
WIDNES FOUNDRY CO., LTD., Widnes.
WORCESTER ROYAL PORCELAIN CO., LTD., Royal Porcelain Works, Worcester.

EVAPORATORS (Vacuum).

KESTNER EVAPORATOR & ENGINEERING CO., LTD., 5, Grosvenor Gardens, Westminster, S.W. 1.
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EXPLOSIVES PLANT.

ALUMINIUM PLANT & VESSEL CO., LTD., Point Pleasant, Wandsworth, S.W. 18.

EXTRACTION PLANT.

BLAIR, CAMPBELL & MCLEAN, LTD., Woodville Street, Govan, Glasgow.

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LANG, A. D., LTD., 4, Vigo Street, W. 1.

FANS.

BROTHERHOOD, PETER, LTD., Peterborough.
KESTNER EVAPORATOR & ENGINEERING CO., LTD., 5, Grosvenor Gardens, Westminster, S.W. 1.

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JOHNSON, S. H. & CO., LTD., Carpenters Road, Stratford, E. 15.

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BLAIR, CAMPBELL & MCLEAN, LTD., Woodville Street, Govan, Glasgow.

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LASSEN, HJORT & MENZIES, LTD., Imperial House, Kingsway, W.C.

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SOUTH METROPOLITAN GAS CO., 709, Old Kent Road, S.E. 15.

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KESTNER EVAPORATOR & ENGINEERING CO., LTD., 5, Grosvenor Gardens, Westminster, S.W. 1.

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BRADFORD WOOL EXTRACTING CO., LTD., Pit Lane Works, Bradford, Yorks.
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CENTRIFUGAL SEPARATORS, LTD., 161, Queen's Road, Peckham, S.E. 15.
HILL, SAMUEL, LTD., Hunters Lane, Rochdale.
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CAPE ASBESTOS CO., LTD., Guildhall Annexe, 23, King Street, London, E.C. 2.

FILTERCLOTH WASHING MACHINES.

PREMIER FILTERPRESS CO., LTD., Finsbury Pavement House, E.C. 2.

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KESTNER EVAPORATOR & ENGINEERING CO., LTD., 5, Grosvenor Gardens, Westminster, S.W. 1.

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EVANS, ADLARD & CO., LTD., Winchcombe R.S.O., Glos.
JOHNSON, S. H. & CO., LTD., Carpenters Road, Stratford, E. 15.

FILTER PRESSES.

BRINJES & GOODWIN, LTD., Cold Harbour, Poplar, E. 14.
FLETCHER, GEORGE & CO., LTD., Masson Works, Derby.
JOHNSON, S. H. & CO., LTD., Carpenters Road, Stratford, E. 15.
KESTNER EVAPORATOR & ENGINEERING CO., LTD., 5, Grosvenor Gardens, Westminster, S.W. 1.
LIVINGSTON, JAMES, LTD., Imperial House, Kingsway, W.C.
MANLOVE, ALLIOTT & CO., LTD., Bloomsgrove Works, Nottingham.
PREMIER FILTERPRESS CO., LTD., Finsbury Pavement House, London, E.C. 2.

FILTERS (Air).

HARRIS, ALBERT E., 19, Russell Square, W.C. 1.

FILTERS (Vacuum).

INDUSTRIAL FILTRATION CORPORATION, 281, Gray's Inn Road, London, W.C. 1.
JOHNSON, S. H. & CO., LTD., Carpenters Road, Stratford, E. 15.

FILTRATION (Water).

UNITED WATER SOFTENERS, LTD., Imperial House, Kingsway, W.C. 2.

FILTRATION PLANT.

LASSEN, HJORT & MENZIES, LTD., Imperial House, Kingsway, W.C. 2.

FIRECLAY GOODS (various kinds).

BUCKLEY BRICK & TILE CO., LTD., Buckley, via Chester.

FIRST AID and AMBULANCE REQUISITES.

REYNOLDS & BRANSON, LTD., 14, Commercial Street, Leeds.

FISH MEAL PLANT.

LIVINGSTON, JAMES, LTD , Imperial House, Kingsway, W.C.
SCOTT, GEORGE & SON (LONDON), LTD., Kingsway House, Kingsway, W.C. 2.

FLAVOURING ESSENCES.

BRITISH DRUG HOUSES, LTD., 16-30, Graham Street, City Road, London, N. 1.

FLUORSPAR.

SWAN, J. CAMERON & CO., LTD., 4, St. Nicholas Buildings, Newcastle-on-Tyne.

FOODS (PATENT, etc.) PLANT.

LIVINGSTON, JAMES, LTD., Imperial House, Kingsway, W.C.

FOODS (Infants' and Invalids').

ALLEN & HANBURYS, LTD., 37, Lombard Street, London, E.C. 3.

FOODSTUFFS PLANT.

ALUMINIUM PLANT & VESSEL CO., LTD., Point Pleasant, Wandsworth, S.W. 18.

FORMALDEHYDE.

JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.
NICHOLSONS (NEWCASTLE-ON-TYNE), LTD., Heaton Junction, Newcastle-on-Tyne.

FORMALDEHYDE-HYDROSULPHITES.

BROTHERTON & CO., LTD., City Chambers, Leeds.

FORMIC ACID.

HEYMANN, HARRY, 5, Union Street, Bradford.
MEADE-KING, ROBINSON & CO., LTD., 501, Tower Building, Liverpool.
NICHOLSONS (NEWCASTLE-ON-TYNE), LTD., Heaton Junction, Newcastle-on-Tyne.

FRACTIONATING COLUMNS.

BLAIR, CAMPBELL & MCLEAN, LTD., Woodville Street, Govan, Glasgow.
FRASER, W. J. & CO., LTD., Dagenham, Romford, Essex.
HYDRONYL SYNDICATE, LTD., 27, Clement's Lane, London, E.C. 4.

FRACTIONATING STILLS.

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JOHNSON, S. H. & CO., LTD., Carpenters Road, Stratford, E. 15.

GELATINE PLANT.

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REYNOLDS & BRANSON, LTD., 14, Commercial Street, and 13, Briggate, Leeds.

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HOWARD, RAWSON & CO., LTD., 21B, Pond Place, Chelsea, S.W. 3.
MONCRIEFF, JOHN, LTD., North British Glass Works, Perth, Scotland.

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HOWARD, RAWSON & CO., LTD., 21B, Pond Place, Chelsea, S.W. 3.
MONCRIEFF, JOHN, LTD., North British Glass Works, Perth, Scotland.
NICOLSON, W. B., 166A, Bath Street, Glasgow.

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MONCRIEFF, JOHN, LTD., North British Glass Works, Perth, Scotland.

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MONCRIEFF, JOHN, LTD., North British Glass Works, Perth, Scotland.

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DUROGLASS, LTD., Blackhorse Lane, Walthamstow.

GLASSWARE (Pyrex Laboratory).

TRAUFFLER, F., 99, Hatton Garden, London, E.C. 1.

GLASSWARE (Scientific).

DUROGLASS, LTD., Blackhorse Lane, Walthamstow.
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Accrington Brick & Tile Co., Ltd., Accrington.

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Johnson, S. H. & Co., Ltd., Engineering Works, Carpenters Road, Stratford, E. 15.

GLUE HYDROMETERS.

Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, Westminster, S.W. 1.

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Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, Westminster, S.W. 1.
Livingston, James, Ltd., Imperial House, Kingsway, W.C.
Scott, George & Son (London), Ltd., Kingsway House, Kingsway, W.C. 2.

GLYCERINE.

Crosfield, Joseph & Sons, Ltd., Warrington, Lancs.

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Manlove, Alliott & Co., Ltd., Bloomsgrove Works, Nottingham.
Scott, George & Son (London), Ltd., Kingsway House, Kingsway, W.C. 2.

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Albright & Wilson, Ltd., Oldbury, Nr. Birmingham.
British Drug Houses, Ltd., 16-30, Graham Street, City Road, London, N. 1.

GRAVITY ROLLER RUNWAYS.

Rownson, Drew & Clydesdale, Ltd., 225, Upper Thames Street, E.C. 4.

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Brinjes & Goodwin, Ltd., Cold Harbour, Poplar, E. 14.
Guthrie & Co., Accrington.
Harris, Albert E., 19, Russell Square, W.C. 1.
Jackson, J. G., Ltd., Coustonholm Works, Pollokshaws, Glasgow.

GRINDING MILLS (Forplex).

Livingston, James, Ltd., Imperial House, Kingsway, W.C.

GRINDING MILLS (Liquid, P. & K.).

Livingston, James, Ltd., Imperial House, Kingsway, W.C.

GUMS (Plant for).

Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, Westminster, S.W. 1.

HEAT EXCHANGERS.

Blair, Campbell & McLean, Ltd., Woodville Street, Govan, Glasgow.

HEMATINE CRYSTALS.

Heymann, Harry, 5, Union Street, Bradford.

HYDROCHLORIC ACID.

Berk, F. W. & Co., Ltd., 1, Fenchurch Avenue, E.C. 2.
Chance & Hunt, Ltd., Oldbury, Worcs.
Spencer, Chapman & Messel, Ltd., 36, Mark Lane, E.C. 3.

HYDRO-EXTRACTORS.

Broadbent, Thomas & Sons, Ltd., Central Ironworks, Huddersfield.
Manlove, Alliott & Co., Ltd., Bloomsgrove Works, Nottingham.
Pott, Cassels & Williamson, Motherwell, Nr. Glasgow.

HYDROGENATION PLANT.

Hydronyl Syndicate, Ltd., 27, Clement's Lane, London, E.C. 4.
Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, Westminster, S.W. 1.
Thompson, John (Gas Developments), Ltd., Wolverhampton.

HYDROGEN GAS PLANT.

Humphreys & Glasgow, Ltd., 38, Victoria Street, London, S.W. 1.
Thompson, John (Gas Developments), Ltd., Wolverhampton.

HYDROGEN PEROXIDE.

Berk, F. W. & Co., Ltd., 1, Fenchurch Avenue, E.C. 2.
British Drug Houses, Ltd., 16-30, Graham Street, City Road, London, N. 1.
Howards & Sons, Ltd., Ilford, Essex.

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Albright & Wilson, Ltd., Oldbury, Nr. Birmingham.
British Drug Houses, Ltd., 16-30, Graham Street, City Road, London, N. 1.

ICED WATER HEATERS.

Lassen, Hjort & Menzies, Ltd., Imperial House, Kingsway, W.C. 2.

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Newton, Chambers & Co., Ltd., Thorncliffe, Nr. Sheffield.

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British Dyestuffs Corporation, Ltd., 70, Spring Gardens, Manchester.
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Southdown Chemical Co., Ltd., Beaufort Works, Birkenhead.
South Metropolitan Gas Co., 709, Old Kent Road, S.E. 15.

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IRON CASTINGS.

Ackroyd & Best, Ltd., Beacon Works, Morley, Nr. Leeds, Yorks.

IRON OXIDE.

British Aluminium Co., Ltd., 109, Queen Victoria Street, London, E.C. 4.
South Metropolitan Gas Co., 709, Old Kent Road, S.E. 15.
Stockton-on-Tees Chemical Works, Ltd., Bowesfield Lane, Stockton-on-Tees.

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ALBRIGHT & WILSON, LTD., Oldbury, Nr. Birmingham.

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DE PAIVA, J. & CO., 11, Drury Lane, Liverpool.

KETONES.

JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.

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WESTERN CHEMICAL CO. (PAISLEY), LTD., Sandyford Works, Paisley.

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JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.

METHYL ALCOHOL (Crude) (Wood Naphtha).

JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.

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BURROUGH, JAMES, LTD., Cale Distillery, Hutton Road, Lambeth, S.E. 11.
JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.

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ATTWATER & SONS, Hopwood Street Mills, Preston.

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JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.
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Newton, Chambers & Co., Ltd., Thorncliffe, Nr. Sheffield.
Nicholsons (Newcastle-on-Tyne), Ltd., Heaton Junction, Newcastle-on-Tyne.
South Metropolitan Gas Co., 709, Old Kent Road, S.E. 15.

NAPHTHA (Wood, Miscible).

Jensen, Lawson & Co., 17, Monument Street, London, E.C. 3.

NAPHTHA (Wood, Solvent).

Jensen, Lawson & Co., 17, Monument Street, London, E.C. 3.

NAPHTHALENE.

Brotherton & Co., Ltd., City Chambers, Leeds.
Gas Light & Coke Co., Dauntsey House, Frederick's Place, Old Jewry, London, E.C. 2.
Jensen, Lawson & Co., 17, Monument Street, London, E.C. 3.
Newton, Chambers & Co., Ltd., Thorncliffe, Nr. Sheffield.
Nicholsons (Newcastle-on-Tyne), Ltd., Heaton Junction, Newcastle-on-Tyne.
South Metropolitan Gas Co., 709, Old Kent Road, S.E. 15.

NAPHTHIONIC ACID.

South Metropolitan Gas Co., 709, Old Kent Road, S.E. 15.

NAPHTHOL (Beta).

Gas Light & Coke Co., Dauntsey House, Frederick's Place, Old Jewry, London, E.C. 2.
South Metropolitan Gas Co., 709, Old Kent Road, S.E. 15.

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Brotherton & Co., Ltd., City Chambers, Leeds.
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Canning, W. & Co., Ltd., Gt. Hampton Street, Birmingham.

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Canning, W. & Co., Ltd., Gt. Hampton Street, Birmingham.

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South Metropolitan Gas Co., 709, Old Kent Road, S.E. 15.
Spencer, Chapman & Messel, Ltd., 36, Mark Lane, E.C. 3.

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Berk, F. W. & Co., Ltd., 1, Fenchurch Avenue, London, E.C. 3.
Spencer, Chapman & Messel, Ltd., 36, Mark Lane, E.C. 3.

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Aluminium Plant & Vessel Co., Ltd., Point Pleasant, Wandsworth, S.W. 18.
Haughton's Patent Metallic Packing Co., Ltd., 30, St. Mary-at-Hill, London, E.C. 3.
Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, Westminster, S.W. 1.

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May & Baker, Ltd., Garden Wharf, Church Road, Battersea, S.W. 11.

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Scarab Oil Burning Co., Ltd., Carlton House, Regent Street, S.W. 1.

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Brotherhood, Peter, Ltd., Peterborough.
Korting Bros. (1917), Ltd., 27, Shaftesbury Avenue, W. 1.

OIL EXTRACTION PLANT.

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Scott, George & Son (London), Ltd., Kingsway House, Kingsway, W.C. 2.
Standar Chemical Engineering Co., Ltd., 21, Panton Street, London, S.W. 1.
Widnes Foundry Co., Ltd., Widnes.

OIL FILTERS.

Johnson, S. H. & Co., Ltd., Carpenters Road, Stratford, E. 15.

OIL FOR DIESEL ENGINES.

South Metropolitan Gas Co., 709, Old Kent Road, S.E. 15.

OIL (MINERAL) PLANT.

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OIL and PETROL STORAGE PLANT.

Braby, Fredk. & Co., Ltd., Eclipse Iron and Galvanising Works, Petershill Road, Glasgow.

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Scott, George & Son (London), Ltd., Kingsway House, Kingsway, W.C. 2.

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OILS, FATS and GREASES, PLANT for.

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Newton, Chambers & Co., Ltd., Thorncliffe, Nr. Sheffield.

OILS (Soluble).

Hess, Adolph & Bro., Ltd., Kirkstall Road, Leeds.

OLEINES.

Hess, Adolph & Bro., Ltd., Kirkstall Road, Leeds.

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Spencer, Chapman & Messel, Ltd., 36, Mark Lane, E.C. 3.

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Allen & Hanburys, Ltd., 37, Lombard Street, London, E.C. 3.

OXALIC ACID.

Heymann, Harry, 5, Union Street, Bradford.
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OXIDE OF IRON.

(*See* Iron Oxide.)

OXYGEN ADMINISTRATION APPARATUS.

Siebe, Gorman & Co., Ltd., 187, Westminster Bridge Road, S.E. 1.

OXYGEN PLANTS.

Thompson, John (Gas Developments), Ltd., Wolverhampton.

OXYGEN RECORDERS.

Walker, Croswellier & Co., Dane's Inn House, 265, Strand, W.C. 2.

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Brinjes & Goodwin, Ltd., Cold Harbour, Poplar, E. 14.

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PANS (Chemical).

Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, Westminster, S.W. 1.

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Keenok Co., Ltd., 59, Fenchurch Street, E.C. 3.

PANS (Jacketed).

Brinjes & Goodwin, Ltd., Cold Harbour, Poplar, E. 14.
Clark, T. & C. & Co., Ltd., Wolverhampton.
Fletcher, George & Co., Ltd., Masson Works, Derby.
Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, Westminster, S.W. 1.
Leeds and Bradford Boiler Co., Ltd., Stanningley, Leeds.
Manlove, Alliott & Co., Ltd., Bloomsgrove Works, Nottingham.

PANS (Jacketed Copper).

Bennett, Sons & Shears, Ltd., 43, Shoe Lane, London, E.C. 4.

PANS (Mild Steel).

Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, Westminster, S.W. 1.

PANS (Steam Jacketed).

Blair, Campbell & McLean, Ltd., Woodville Street, Govan, Glasgow.
Fraser, W. J. & Co., Ltd., Dagenham, Romford, Essex.
Johnson, S. H. & Co., Ltd., Carpenters Road, Stratford, E. 15.
Keenok Co., Ltd., 59, Fenchurch Street, E.C. 3.

PANS (Stirring and Filling).

Keenok Co. Ltd., 59, Fenchurch Street, E.C. 3.

PANS (Vacuum).

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Blair, Campbell & McLean, Ltd., Woodville Street, Govan, Glasgow.
Brinjes & Goodwin, Ltd., Cold Harbour, Poplar, E. 14.
Cannon Iron Foundries, Ltd., Deepfields, Nr. Bilston.
Fletcher, George & Co., Ltd., Masson Works, Derby.
Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, Westminster, S.W. 1.
Manlove, Alliott & Co., Ltd., Bloomsgrove Works, Nottingham.

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Nicholsons (Newcastle-on-Tyne), Ltd., Heaton Junction, Newcastle-on-Tyne.

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Meade-King, Robinson & Co., Ltd., 501, Tower Building, Liverpool.

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Meade-King, Robinson & Co., Ltd., 501, Tower Building, Liverpool.

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Aluminium Plant & Vessel Co., Ltd., Point Pleasant, Wandsworth, S.W. 18.

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Leeds & Bradford Boiler Co., Ltd., Stanningley, Leeds.

PHOSPHORIC ACID PLANT.

Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, Westminster, S.W. 1.

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Albright & Wilson, Ltd., Oldbury, Nr. Birmingham.

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Albright & Wilson, Ltd., Oldbury, Nr. Birmingham.

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Albright & Wilson, Ltd., Oldbury, Nr. Birmingham.

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Albright & Wilson, Ltd., Oldbury, Nr. Birmingham.

PHOTOGRAPHIC CHEMICALS.

British Dyestuffs Corporation, Ltd., Manchester.
Harrington Bros., Ltd., 4/7, Oliver's Yard, City Road, London, E.C. 1.

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PICRIC ACID.

BROTHERTON & CO., LTD., City Chambers, Leeds.

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NICHOLSONS (NEWCASTLE-ON-TYNE) LTD., Heaton Junction, Newcastle-on-Tyne.
SOUTH METROPOLITAN GAS CO., 709, Old Kent Road, S.E. 15.

PLATINUM NETS.

CAPE ASBESTOS CO., LTD., Guildhall Annexe, 23, King Street, London, E.C. 2.

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LODGE-COTTRELL, LTD., 51, Gt. Charles Street, Birmingham.

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Blair, Campbell & McLean, Ltd., Woodville Street, Govan, Glasgow.

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Douglas, William & Sons, Ltd., Douglas Wharf, Putney, S.W. 15.
Guthrie & Co., Accrington.
Johnson, S. H. & Co., Ltd., Carpenters Road, Stratford, E. 15.
Pearn, Frank & Co., Ltd., West Gorton, Manchester.
Premier Filterpress Co., Ltd., Finsbury Pavement House, E.C. 2.

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Haughton's Patent Metallic Packing Co., Ltd., 30, St. Mary-at-Hill, London, E.C. 3.
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Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, Westminster, S.W. 1.
Manlove, Alliott & Co., Ltd., Bloomsgrove Works, Nottingham.
Premier Filterpress Co., Ltd., Finsbury Pavement House, E.C. 2.

PUMPS (Anti-Corrosive, Ceramic Lined).

Guthrie & Co., Accrington.

PUMPS (Centrifugal).

Brotherhood, Peter, Ltd., Peterborough.
Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, Westminster, S.W. 1.
Mirrlees Watson Co., Ltd., 45, Scotland Street, Glasgow.
Rees Roturbo Manufacturing Co., Ltd., Wolverhampton.

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Dorr Co., The, 16, South Street, London, E.C. 2.
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Fullerton, Hodgart & Barclay, Ltd., Paisley.

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Brinjes & Goodwin, Ltd., Cold Harbour, Poplar, E. 14.
Guthrie & Co., Accrington.
Johnson, S. H. & Co., Ltd., Carpenters Road, Stratford, E. 15.
Kestner Evaporator & Engineering Co., Ltd., 5, Grosvenor Gardens, Westminster, S.W. 1.
Livingston, James, Ltd., Imperial House, Kingsway, W.C.
Manlove, Alliott & Co., Ltd., Bloomsgrove Works, Nottingham.
Mirrlees Watson Co., Ltd., 45, Scotland Street, Glasgow.
Pearn, Frank & Co., Ltd., West Gorton, Manchester.
Pulsometer Engineering Co., Ltd., Nine Elms Iron Works, Reading.
Tilghman's Patent Sand Blast Co., Ltd., Broadheath, Nr. Manchester.

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GAS LIGHT & COKE CO., Dauntsey House, Frederick's Place Old Jewry, London, E.C. 2.
JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.
SOUTH METROPOLITAN GAS CO., 709, Old Kent Road, S.E. 15.

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WORCESTER ROYAL PORCELAIN CO., LTD., Royal Porcelain Works, Worcester.

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FOSTER INSTRUMENT CO., Letchworth, Hertfordshire.
WALKER, CROSWELLER & CO., Dane's Inn House, 265, Strand, W.C. 2.

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THERMAL SYNDICATE, LTD., Vitreosil Works, Wallsend-on-Tyne.

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RUBBER MANUFACTURERS.

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SACKS.

DE PAIVA, J. & CO., 11, Drury Lane, Liverpool.
FELTHAM, W. H. & SON, Imperial Works, Tower Bridge Road, S.E. 1.
FIRMIN & CO., Handford Works, Ipswich.

SALAMMONIAC.

CHANCE & HUNT, LTD., Oldbury, Worcs.

(*See also* AMMONIUM CHLORIDE.)

SALICYLATES.

BRITISH DRUG HOUSES, LTD., 16-30, Graham Street, City Road, London, N. 1.

SALICYLIC ACID.

GAS LIGHT & COKE CO., Dauntsey House, Frederick's Place, Old Jewry, London, E.C. 2.

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KESTNER EVAPORATOR & ENGINEERING CO., LTD., 5, Grosvenor Gardens, Westminster, S.W. 1.

SALT.

CHANCE & HUNT, LTD., Oldbury, Worcs.

SALTCAKE.

(*See* SODIUM SULPHATE.)

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LEEDS & BRADFORD BOILER CO., LTD., Stanningley, Leeds.

SALT PLANT.

SCOTT, GEORGE & SON (LONDON), LTD., Kingsway House, Kingsway, W.C. 2.

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Jensen, Lawson & Co., 17, Monument Street, London, E.C. 3.
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SOAP (Liquid).

Newton, Chambers & Co., Ltd., Thorncliffe, Nr. Sheffield.

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Leeds & Bradford Boiler Co., Ltd., Stanningley, Leeds.

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Newton, Chambers & Co., Ltd., Thorncliffe, Nr. Sheffield.

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Castner-Kellner Alkali Co., Ltd., 257, Royal Liver Building, Liverpool.
Chance & Hunt, Ltd., Oldbury, Worcs.
Crosfield, Joseph & Sons, Ltd., Warrington, Lancs.
United Alkali Co., Ltd., Cunard Building, Liverpool.

SODA, CAUSTIC, PLANT.

Fullerton, Hodgart & Barclay, Ltd., Paisley.

SODA CRYSTALS.

Brunner Mond & Co., Ltd., Northwich, Cheshire.
United Alkali Co., Ltd., Cunard Building, Liverpool.

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Sofnol, Ltd., Westcombe Hill, Greenwich, S.E. 10.

SODA RECOVERY PLANT.

Scott, George, & Son (London), Ltd., Kingsway House, Kingsway, W.C. 2.

SODIUM BICARBONATE.

Brunner Mond & Co., Ltd., Northwich, Cheshire.
United Alkali Co., Ltd., Cunard Building, Liverpool.

SODIUM BICHROMATE.

Fairlie, H. C. & Co., Ltd., Falkirk.
Heymann, Harry, 5, Union Street, Bradford.
White, John & James, Ltd., 7, West George Street, Glasgow.

SODIUM CHROMATE.

White, John & James, Ltd., 7, West George Street, Glasgow.

SODIUM FORMATE.

Meade-King, Robinson & Co., Ltd., 501, Tower Building, Liverpool.

SODIUM HYDROSULPHITE.

Brotherton & Co., Ltd., City Chambers, Leeds.

SODIUM HYPOCHLORITE.

Castner-Kellner Alkali Co., Ltd., 257, Royal Liver Building, Liverpool.

SODIUM HYPOSULPHITE.

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Swan, J. Cameron & Co., Ltd., 4, St. Nicholas Buildings, Newcastle-on-Tyne.

SODIUM PERBORATE.

Heymann, Harry, 5, Union Street, Bradford.

SODIUM PEROXIDE.

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SODIUM PHOSPHATE (Mono and Tri).

Albright & Wilson, Ltd., Oldbury, Nr. Birmingham.

SODIUM PHOSPHATE (Pure).

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SODIUM PRUSSIATE YELLOW.

Gas Light & Coke Co., Dauntsey House, Frederick's Place, Old Jewry, London, E.C. 2.

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Brunner Mond & Co., Ltd., Northwich, Cheshire.
Crosfield, Joseph, & Sons, Ltd., Warrington, Lancs.

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South Metropolitan Gas Co., 709, Old Kent Road, S.E. 15.
Spencer, Chapman & Messel, Ltd., 36, Mark Lane, London, E.C. 3.

(*See also* Glauber's Salt.)

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JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.
MEADE-KING, ROBINSON & CO., LTD., 501, Tower Building, Liverpool.
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LEEDS & BRADFORD BOILER CO., LTD., Stanningley, Leeds.

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(*See* ALUMINIUM SULPHATE.)

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ALBRIGHT & WILSON, LTD., Oldbury, Nr. Birmingham.
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NICHOLSON, JOHN & SONS, LTD., Hunslet Chemical Works, Leeds.

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HUMPHRIES, H. B. P., 14, Old Queen Street, Westminster, S.W.

SULPHUR DIOXIDE RECORDERS.

WALKER, CROSWELLER & CO., Dane's Inn House, 265, Strand, W.C. 2.

SULPHURIC ACID.

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CHANCE & HUNT, LTD., Oldbury, Worcs.
HICKSON & PARTNERS, LTD., 38, Well Street, Bradford.
NICHOLSONS (NEWCASTLE-ON-TYNE), LTD., Heaton Junction, Newcastle-on-Tyne.
SOUTH METROPOLITAN GAS CO., 709, Old Kent Road, S.E. 15.
SPENCER, CHAPMAN & MESSEL, LTD., 36, Mark Lane, E.C. 3.

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TANKS (Welded).

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TANNIN EXTRACT PLANT.

BLAIR, CAMPBELL & MCLEAN, LTD., Woodville Street, Govan, Glasgow.

TANNIN (Synthetic).

BROTHERTON & CO., LTD., City Chambers, Leeds.

TAPS (Lignum-Vitæ).

PREMIER FILTERPRESS CO., LTD., Finsbury Pavement House, E.C. 2.

TAR (Coal).

GREENSHIELDS, JAMES & CO., LTD., 54, Gordon Street, Glasgow.
JENSEN, LAWSON & CO., 17, Monument Street, London, E.C. 3.
NEWTON, CHAMBERS & CO., LTD., Thorncliffe, near Sheffield.
SOUTH METROPOLITAN GAS CO., 709, Old Kent Road, London, S.E. 15.

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NEWTON, CHAMBERS & CO., LTD., Thorncliffe, near Sheffield.
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LEEDS & BRADFORD BOILER CO., LTD., Stanningley, Leeds.

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